

Plastics Packaging Film and Sheet (Including Laminated) Manufacturing: 2002

Issued December 2004

EC02-311-326112 (RV)

2002 Economic Census

Manufacturing

Industry Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
326112, Plastics packaging film and sheet (including laminated) manufacturing.....	215	286	22 638	933 180	17 666	36 671	650 492	2 945 108	3 111 083	6 101 390	'255 699
2001...	N	N	16 875	671 299	13 570	29 489	475 893	2 292 121	2 475 627	4 782 978	179 240
2000...	N	N	17 327	656 742	14 109	30 431	465 174	2 292 038	2 536 109	4 823 210	143 954
1999...	N	N	16 447	605 225	13 350	28 204	430 730	2 458 838	2 390 127	4 813 330	190 579
1998...	N	N	15 288	567 022	12 111	26 123	400 837	1 931 512	2 066 508	3 998 678	177 636
1997...	131	164	15 428	550 628	11 960	26 406	390 046	606 103	2 024 844	3 638 911	214 642

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
326112, Plastics packaging film and sheet (including laminated) manufacturing												
United States	—	286	213	22 638	933 180	17 666	36 671	650 492	2 945 108	3 111 083	6 101 390	'255 699
Arizona	—	5	3	250	10 243	201	455	7 805	23 265	31 549	54 536	'956
California	1	32	19	1 375	54 596	1 042	2 116	34 302	134 901	191 089	335 068	'11 112
Florida	—	7	4	298	11 073	254	547	7 984	30 273	34 343	65 305	'968
Georgia	1	12	11	1 398	58 802	1 103	2 210	42 743	176 750	232 684	402 401	'10 176
Illinois	—	23	20	2 004	84 502	1 519	3 306	58 086	217 554	282 380	501 289	'17 288
Indiana	—	8	4	197	7 191	160	322	5 368	33 258	48 000	80 249	'3 258
Louisiana	—	5	3	420	12 210	360	706	9 747	37 086	35 515	72 486	'6 351
Massachusetts	—	8	5	399	14 869	249	528	8 649	50 374	60 839	112 278	'2 852
Michigan	—	8	7	604	26 498	426	865	15 392	59 970	66 083	126 191	'3 253
Minnesota	4	6	4	292	14 650	194	395	8 685	28 641	33 195	61 707	'10 274
New Jersey	—	15	10	701	25 344	579	1 142	18 014	72 588	79 077	152 653	'3 192
New York	—	14	13	804	31 576	551	1 164	17 304	91 046	113 690	206 500	'8 672
North Carolina	—	11	8	838	32 024	655	1 423	22 580	93 419	99 545	195 741	'11 313
Ohio	—	16	13	998	38 791	773	1 653	26 621	124 573	133 460	257 445	'12 985
Pennsylvania	—	11	10	1 123	47 939	873	1 944	32 201	116 241	141 341	259 181	'11 420
Tennessee	2	8	6	609	25 629	417	818	13 335	95 600	112 657	212 939	'3 148
Texas	2	18	12	1 510	54 371	1 199	2 533	39 366	131 007	192 292	323 415	'28 540
Virginia	3	4	3	284	11 886	219	448	8 265	28 842	36 699	67 765	'958
Wisconsin	—	28	23	3 436	147 034	2 772	5 590	115 804	556 378	586 322	1 150 325	'46 013

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
326112, Plastics packaging film and sheet (including laminated) manufacturing	
Companies ¹	number.. 215
All establishments ²	number.. 286
Establishments with 1 to 19 employees	number.. 73
Establishments with 20 to 99 employees	number.. 139
Establishments with 100 employees or more	number.. 74
All employees ³	number.. 22 638
Total compensation	\$1,000.. 1 154 273
Annual payroll	\$1,000.. 933 180
Total fringe benefits	\$1,000.. 221 093
Production workers, average for year	number.. 17 666
Production workers on March 12	number.. 17 589
Production workers on May 12	number.. 17 716
Production workers on August 12	number.. 17 784
Production workers on November 12	number.. 17 523
Production worker hours	1,000.. 36 671
Production worker wages	\$1,000.. 650 492
Total cost of materials	\$1,000.. 3 111 083
Materials, parts, containers, packaging, etc., used	\$1,000.. 2 922 618
Resales	\$1,000.. 39 341
Purchased fuels	\$1,000.. 27 297
Purchased electricity	\$1,000.. 90 955
Contract work	\$1,000.. 30 872
Quantity of electricity purchased for heat and power	1,000 kWh.. 1 749 115
Quantity of electricity generated less sold for heat and power	1,000 kWh.. S
Total value of shipments	\$1,000.. 6 101 390
Primary products value of shipments	\$1,000.. 5 304 772
Secondary products value of shipments	\$1,000.. 692 781
Total miscellaneous receipts	\$1,000.. 103 837
Value of resales	\$1,000.. 73 728
Contract receipts	\$1,000.. 18 264
Other miscellaneous receipts	\$1,000.. 11 845
Primary products specialization ratio	percent.. 88
Value of primary products shipments made in all industries	\$1,000.. 5 952 099
Value of primary products shipments made in this industry	\$1,000.. 5 304 772
Value of primary products shipments made in other industries	\$1,000.. 647 327
Coverage ratio	percent.. 89
Value added	\$1,000.. 2 945 108
Total inventories, beginning of year	\$1,000.. 598 314
Finished goods inventories	\$1,000.. 318 478
Work-in-process inventories	\$1,000.. 83 796
Materials and supplies inventories	\$1,000.. 196 040
Total inventories, end of year	\$1,000.. 567 014
Finished goods inventories	\$1,000.. 289 377
Work-in-process inventories	\$1,000.. 67 698
Materials and supplies inventories	\$1,000.. 209 939
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '3 179 344
Total capital expenditures (new and used)	\$1,000.. '255 699
Buildings and other structures (new and used)	\$1,000.. '29 239
Machinery and equipment (new and used)	\$1,000.. '226 460
Automobiles, trucks, etc., for highway use	\$1,000.. '4 005
Computers and peripheral data processing equipment	\$1,000.. '7 241
All other expenditures for machinery and equipment	\$1,000.. '215 214
Total retirements	\$1,000.. '115 350
Gross value of depreciable assets at end of year	\$1,000.. '3 319 693
Depreciation charges during year	\$1,000.. '228 974
Total rental payments	\$1,000.. 49 057
Buildings and other structures	\$1,000.. 33 130
Machinery and equipment	\$1,000.. 15 927
Total other expenses ⁴	\$1,000.. 377 937
Response coverage ratio ⁵	percent.. 87
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 67 708
Communications services ⁴	\$1,000.. 7 879
Legal services ⁴	\$1,000.. 6 664
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 3 536
Advertising and promotional services ⁴	\$1,000.. 4 995
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 5 465
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 11 218
Management consulting and administrative services ⁴	\$1,000.. 9 595
Taxes and license fees ⁴	\$1,000.. 16 300
All other expenses ⁴	\$1,000.. 244 577

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
326112, Plastics packaging film and sheet (including laminated) manufacturing											
All establishments	—	286	22 638	933 180	17 666	36 671	650 492	2 945 108	3 111 083	6 101 390	'255 699
Establishments with—											
1 to 4 employees	9	29	66	2 458	52	100	1 710	3 662	8 967	14 816	'504
5 to 9 employees	6	19	c	D	D	D	D	D	D	D	D
10 to 19 employees	2	25	387	17 774	278	568	10 687	42 146	61 454	105 032	'4 776
20 to 49 employees	1	63	2 082	79 686	1 591	3 389	52 975	241 371	275 528	523 425	'27 648
50 to 99 employees	—	76	5 447	209 342	4 104	8 724	134 773	598 203	736 811	1 338 046	'76 355
100 to 249 employees	—	61	9 037	372 241	7 007	14 475	256 177	1 053 343	1 225 019	2 277 260	'94 006
250 to 499 employees	—	11	3 330	134 510	2 703	5 551	104 429	489 361	513 153	1 014 011	'40 575
500 to 999 employees	—	1	f	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	1	g	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	37	152	6 081	124	252	4 321	16 073	24 408	40 477	'1 368

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
326112	Plastics packaging film and sheet (including laminated) manufacturing..	286	22 638	933 180	17 666	36 671	650 492	2 945 108	3 111 083	6 101 390	'255 699
3261121	Single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	153	12 055	461 913	9 423	19 779	319 315	1 341 473	1 663 366	3 010 193	'164 855
3261123	Film/film multiweb laminated rolls and sheets, except foil, for flexible packaging uses	73	9 966	449 387	7 748	15 865	315 963	1 560 214	1 384 280	2 984 495	'86 232

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
326112	Plastics packaging film and sheet (including laminated) manufacturing	2002.. N 1997.. N	X X	X X	5 952 099 3 458 576
3261121	Single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	2002.. N 1997.. N	X X	X X	3 490 339 1 844 318
32611211	Single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	2002.. N 1997.. N	X X	X X	2 834 312 970 558
3261121121	Polyethylene single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	1,000 s tons.. 2002.. 117 1997.. N	X X	S N	1 550 253 N
3261121131	Polypropylene single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	1,000 s tons.. 2002.. 60 1997.. N	X X	S N	447 592 N
3261121141	Nylon single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	1,000 s tons.. 2002.. 14 1997.. N	X X	S N	60 031 N
3261121151	PETG single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	1,000 s tons.. 2002.. 13 1997.. N	X X	S N	102 671 N
3261121161	PVC single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	1,000 s tons.. 2002.. 30 1997.. N	X X	S N	293 022 N
3261121171	All other single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	1,000 s tons.. 2002.. 31 1997.. N	X X	S N	380 743 N
32611212	Coextruded single-web film, for flexible packaging uses	2002.. N 1997.. N	X X	X X	573 988 803 591
3261121221	Coextruded single-web film, for flexible packaging uses	1,000 s tons.. 2002.. 27 1997.. 33	X X	P151.4 S	573 988 803 591
3261121Y	Single-web film, rolls, and sheets, including coextruded, for flexible packaging uses, nsk	2002.. N 1997.. N	X X	X X	82 039 70 169
3261121YVV	Single-web film, rolls, and sheets, including coextruded, for flexible packaging uses, nsk	2002.. N 1997.. N	X X	X X	82 039 70 169
3261123	Film/film multiweb laminated rolls and sheets, except foil, for flexible packaging uses	2002.. N 1997.. N	X X	X X	2 370 962 1 400 302
32611231	Polypropylene/polypropylene multiweb laminated rolls and sheets, for flexible packaging uses	2002.. N 1997.. N	X X	X X	1 148 428 451 924
3261123111	Polypropylene/polypropylene multiweb laminated rolls and sheets, for flexible packaging uses	1,000 s tons.. 2002.. 43 1997.. 27	X X	S P76.4	1 148 428 451 924
32611232	Metalized film/film multiweb laminated rolls and sheets, for flexible packaging uses	2002.. N 1997.. N	X X	X X	255 860 203 512
3261123221	Metalized film/film multiweb laminated rolls and sheets, for flexible packaging uses	1,000 s tons.. 2002.. 23 1997.. 27	X X	S S	255 860 203 512
32611233	Other film/film multiweb laminated rolls and sheets, for flexible packaging uses	2002.. N 1997.. N	X X	X X	935 707 570 977
3261123331	Cellophane/other film multiweb laminated rolls and sheets, for flexible packaging uses	1,000 s tons.. 2002.. 11 1997.. 12	X X	S S	52 969 18 034
3261123341	Other film/film multiweb laminated rolls and sheets, for flexible packaging uses	1,000 s tons.. 2002.. 37 1997.. 36	X X	q150.7 S	882 738 552 943
3261123Y	Film/film multiweb laminated rolls and sheets, except foil, for flexible packaging uses, nsk	2002.. N 1997.. N	X X	X X	30 967 173 889
3261123YVV	Film/film multiweb laminated rolls and sheets, except foil, for flexible packaging uses, nsk	2002.. N 1997.. N	X X	X X	30 967 173 889
326112W	Plastics packaging film and sheet (including laminated) manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	90 798 213 956
326112WY	Plastics packaging film and sheet (including laminated) manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	90 798 213 956
326112WYWW	Plastics packaging film and sheet (including laminated) manufacturing, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	51 062 164 470
326112WYWY	Plastics packaging film and sheet (including laminated) manufacturing, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	39 736 49 486

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3261121	Single-web film, rolls, and sheets, including coextruded, for flexible packaging uses	
	United States	2002.. 3 490 339
		1997.. 1 844 318
	Arizona	2002.. 21 038
		1997.. N
	California	2002.. 231 160
		1997.. 60 948
	Florida	2002.. 48 709
		1997.. N
	Georgia	2002.. 164 310
		1997.. 45 013
	Illinois	2002.. 209 780
		1997.. 43 705
	Indiana	2002.. 86 645
		1997.. 83 666
	Louisiana	2002.. 26 606
		1997.. N
	Massachusetts	2002.. 56 120
		1997.. 28 328
	Michigan	2002.. 100 893
		1997.. 9 785
	Minnesota	2002.. 42 825
		1997.. 49 061
	New Jersey	2002.. 117 015
		1997.. 29 858
	New York	2002.. 127 670
		1997.. 51 109
	North Carolina	2002.. 142 489
		1997.. 92 210
	Ohio	2002.. 146 747
		1997.. 57 172
	Pennsylvania	2002.. 163 532
		1997.. N
	Tennessee	2002.. 145 316
		1997.. 43 020
	Texas	2002.. 249 990
		1997.. N
	Wisconsin	2002.. 471 013
		1997.. 535 335
3261123	Film/film multiweb laminated rolls and sheets, except foil, for flexible packaging uses	
	United States	2002.. 2 370 962
		1997.. 1 400 302
	California	2002.. 70 307
		1997.. 90 398
	Georgia	2002.. 239 504
		1997.. N
	Illinois	2002.. 231 840
		1997.. 210 574
	Minnesota	2002.. 39 753
		1997.. N
	New Jersey	2002.. 67 423
		1997.. N
	New York	2002.. 64 945
		1997.. 28 953
	North Carolina	2002.. 55 094
		1997.. N
	Ohio	2002.. 100 183
		1997.. 92 527
	Pennsylvania	2002.. 103 914
		1997.. N
	Texas	2002.. 82 748
		1997.. N
	Wisconsin	2002.. 703 706
		1997.. 323 854

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
326112	Plastics packaging film and sheet (including laminated) manufacturing		
00900001	Total materials	X	2 922 618
	.....2002..	X	1 926 596
	.....1997..	X	
32212007	Paper	S	71 546
	.....1,000 s tons ..2002..	S	81 969
	.....1997..	X	
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc.	X	1 076 300
	.....2002..	X	709 914
	.....1997..	X	
32611201	Polyethylene unsupported plastic packaging film in roll form	X	220 197
	.....2002..	X	N
	.....1997..	X	
00190062	Polyester unsupported plastics packaging film (coated and uncoated) in roll form	X	114 550
	.....2002..	X	N
	.....1997..	X	
32612205	Nylon unsupported plastics packaging film in roll form	X	18 772
	.....2002..	X	N
	.....1997..	X	
00190063	Other unsupported plastics packaging film in roll form (including cellophane)	X	51 164
	.....2002..	X	N
	.....1997..	X	
33131509	Aluminum foil, plain	P19.8	34 635
	.....mil lb ..2002..	S	18 599
	.....1997..	S	60 219
32552003	Glues and adhesives	S	46 440
	.....mil lb ..2002..	S	
	.....1997..	S	
32591002	Printing inks	X	144 741
	.....2002..	X	N
	.....1997..	X	
32221001	Paperboard containers, boxes, and corrugated paperboard	X	81 036
	.....2002..	X	34 590
	.....1997..	X	
00970099	All other materials and components, parts, containers, and supplies	X	855 948
	.....2002..	X	868 059
	.....1997..	X	
00971000	Materials, ingredients, containers, and supplies, nsk	X	193 510
	.....2002..	X	167 025
	.....1997..	X	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.